Pham 203256

1: Shukran_47

2: Hestia_45

3: FosterFrank_43 + 9

4: BrayBeast_36

5: Kumotta_33 + 1

6: Sarge_33

7: Shoya_40

8: Alatato_34

9: Pigu_36

10: Bauer_44

11: Zucker_43

12: BlackSpider_39

13: Maja_33

14: ArV2_35

Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 203256 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203256 has 24 members, 7 are drafts.

Phages represented in each track:
• Track 1 : Shukran_47
• Track 2 : Hestia_45
• Track 3 : FosterFrank_43, Peas_38, Judy_42, Bridgette_41, Eileen_37, ChuckDuck_42, Constance_41, RootBeer_32, KayMoney_41, GlobiWarming_41
• Track 4 : BrayBeast_36
• Track 5 : Kumotta_33, MargaretKali_33
• Track 6 : Sarge_33
• Track 7 : Shoya_40
• Track 8 : Alatato_34
• Track 9 : Pigu_36
• Track 10 : Bauer_44
• Track 11 : Zucker_43
• Track 12 : BlackSpider_39
• Track 13 : Maja_33
• Track 14 : ArV2_35

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 3, it was called in 11 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BlackSpider_39, BrayBeast_36, Bridgette_41, ChuckDuck_42, Constance_41, Eileen_37, FosterFrank_43, GlobiWarming_41, Judy_42, KayMoney_41, Kumotta_33, MargaretKali_33, Peas_38, RootBeer_32, Shukran_47,

Genes that have the "Most Annotated" start but do not call it:
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Genes that do not have the "Most Annotated" start:
• Alatato_34, ArV2_35, Bauer_44, Hestia_45, Maja_33, Pigu_36, Sarge_33, Shoya_40, Zucker_43,

Summary by start number:

Start 3:
• Found in 15 of 24 (62.5%) of genes in pham
• Manual Annotations of this start: 11 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BlackSpider_39 (FN), BrayBeast_36 (FB), Bridgette_41 (FA), ChuckDuck_42 (FA), Constance_41 (FA), Eileen_37 (FA), FosterFrank_43 (FA), GlobiWarming_41 (FA), Judy_42 (FA), KayMoney_41 (FA), Kumotta_33 (FB), MargaretKali_33 (FB), Peas_38 (FA), RootBeer_32 (FA), Shukran_47 (AY),

Start 4:
• Found in 9 of 24 (37.5%) of genes in pham
• Manual Annotations of this start: 6 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alatato_34 (FB), ArV2_35 (singleton), Bauer_44 (FN), Hestia_45 (AY), Maja_33 (FO), Pigu_36 (FB), Sarge_33 (FB), Shoya_40 (FB), Zucker_43 (FN),

Summary by clusters:

There are 6 clusters represented in this pham: singleton, FA, FB, AY, FN, FO,

Info for manual annotations of cluster AY:
•Start number 4 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster FA:
•Start number 3 was manually annotated 8 times for cluster FA.

Info for manual annotations of cluster FB:
•Start number 3 was manually annotated 3 times for cluster FB.
•Start number 4 was manually annotated 2 times for cluster FB.

Info for manual annotations of cluster FN:
•Start number 4 was manually annotated 2 times for cluster FN.

Info for manual annotations of cluster FO:
•Start number 4 was manually annotated 1 time for cluster FO.

Gene Information:
Gene: Alatato_34 Start: 25489, Stop: 25716, Start Num: 4
Candidate Starts for Alatato_34:
(Start: 4 @25489 has 6 MA's), (7, 25549),

Gene: ArV2_35 Start: 24447, Stop: 24674, Start Num: 4
Candidate Starts for ArV2_35:
(Start: 4 @24447 has 6 MA's),

Gene: Bauer_44 Start: 29731, Stop: 29958, Start Num: 4
Candidate Starts for Bauer_44:

(Start: 4 @29731 has 6 MA's),

Gene: BlackSpider_39 Start: 28835, Stop: 29107, Start Num: 3
Candidate Starts for BlackSpider_39:
(Start: 3 @28835 has 11 MA's), (13, 29033), (17, 29084),

Gene: BrayBeast_36 Start: 26166, Stop: 26420, Start Num: 3
Candidate Starts for BrayBeast_36:
(Start: 3 @26166 has 11 MA's), (14, 26370),

Gene: Bridgette_41 Start: 28919, Stop: 29173, Start Num: 3
Candidate Starts for Bridgette_41:
(Start: 3 @28919 has 11 MA's), (8, 29003), (9, 29009),

Gene: ChuckDuck_42 Start: 28742, Stop: 28996, Start Num: 3
Candidate Starts for ChuckDuck_42:
(Start: 3 @28742 has 11 MA's), (8, 28826), (9, 28832),

Gene: Constance_41 Start: 29071, Stop: 29325, Start Num: 3
Candidate Starts for Constance_41:
(Start: 3 @29071 has 11 MA's), (8, 29155), (9, 29161),

Gene: Eileen_37 Start: 27149, Stop: 27403, Start Num: 3
Candidate Starts for Eileen_37:
(Start: 3 @27149 has 11 MA's), (8, 27233), (9, 27239),

Gene: FosterFrank_43 Start: 28801, Stop: 29055, Start Num: 3
Candidate Starts for FosterFrank_43:
(Start: 3 @28801 has 11 MA's), (8, 28885), (9, 28891),

Gene: GlobiWarming_41 Start: 28325, Stop: 28579, Start Num: 3
Candidate Starts for GlobiWarming_41:
(Start: 3 @28325 has 11 MA's), (8, 28409), (9, 28415),

Gene: Hestia_45 Start: 29565, Stop: 29792, Start Num: 4
Candidate Starts for Hestia_45:
(Start: 4 @29565 has 6 MA's), (11, 29697),

Gene: Judy_42 Start: 29237, Stop: 29491, Start Num: 3
Candidate Starts for Judy_42:
(Start: 3 @29237 has 11 MA's), (8, 29321), (9, 29327),

Gene: KayMoney_41 Start: 28414, Stop: 28668, Start Num: 3
Candidate Starts for KayMoney_41:
(Start: 3 @28414 has 11 MA's), (8, 28498), (9, 28504),

Gene: Kumotta_33 Start: 26166, Stop: 26420, Start Num: 3
Candidate Starts for Kumotta_33:
(Start: 3 @26166 has 11 MA's), (9, 26256), (18, 26400), (19, 26409),

Gene: Maja_33 Start: 26682, Stop: 26909, Start Num: 4
Candidate Starts for Maja_33:
(Start: 4 @26682 has 6 MA's), (5, 26730), (15, 26889),

Gene: MargaretKali_33 Start: 25801, Stop: 26055, Start Num: 3
Candidate Starts for MargaretKali_33:
(Start: 3 @25801 has 11 MA's), (9, 25891), (18, 26035), (19, 26044),

Gene: Peas_38 Start: 29296, Stop: 29550, Start Num: 3
Candidate Starts for Peas_38:
(Start: 3 @29296 has 11 MA's), (8, 29380), (9, 29386),

Gene: Pigu_36 Start: 25386, Stop: 25616, Start Num: 4
Candidate Starts for Pigu_36:
(1, 25272), (2, 25299), (Start: 4 @25386 has 6 MA's),

Gene: RootBeer_32 Start: 25199, Stop: 25453, Start Num: 3
Candidate Starts for RootBeer_32:
(Start: 3 @25199 has 11 MA's), (8, 25283), (9, 25289),

Gene: Sarge_33 Start: 24068, Stop: 24295, Start Num: 4
Candidate Starts for Sarge_33:
(Start: 4 @24068 has 6 MA's), (10, 24164), (12, 24233),

Gene: Shoya_40 Start: 26509, Stop: 26736, Start Num: 4
Candidate Starts for Shoya_40:
(Start: 4 @26509 has 6 MA's), (7, 26569), (12, 26674),

Gene: Shukran_47 Start: 30205, Stop: 30456, Start Num: 3
Candidate Starts for Shukran_47:
(Start: 3 @30205 has 11 MA's),

Gene: Zucker_43 Start: 30252, Stop: 30479, Start Num: 4
Candidate Starts for Zucker_43:
(Start: 4 @30252 has 6 MA's), (5, 30300), (6, 30303), (15, 30459), (16, 30471),